Author Index to Volume 17 (1989)

(The issue number is given in front of the pagination)

Bakonyi, P. and **Csaba, L.**, Network for the Hungarian R&D Community (4,5) 332–336
Bauerfeld, W. and **Holleczek, P.**, Global Connectivity (4,5) 300–304
Black, W., File Access and Serving in an OSI Environment (4,5) 294–299
Bürger, U., A Flexible Two-phase Commit Protocol (3) 175–185

Carpenter, B.E., Is OSI Too Late? (4,5) 284–286
Castelli, E., The INFN and the INFNet (4,5) 252–255
Cerf, V., The Internet Activities Board (4,5) 337–341
Chanson, S.T., *see* **Zeng, H.X.** (2) 77– 88
Chess, D.M., Computer Viruses and Related Threats to Computer and Network Integrity (2) 141–148
Chiu, D.-M. and **Jain, R.**, Analysis of the Increase and Decrease Algorithms for Congestion Avoidance in Computer Networks (1) 1– 14
Clyne, L., Lower Layer OSI Addressing (4,5) 279–281
Craigie, J., UK Academic Community Directory Service Pilot Project (4,5) 305–310
Csaba, L., *see* **Bakonyi, P.** (4,5) 332–336

Fluckiger, F. and **Løvdal, E.**, Unmet Challenges (4,5) 256–262
Foest, G., Proposal for a Pan-European Information Service (EIS) (4,5) 348–349

Gagliardi, D., Keynote Speech: ETSI (4,5) 244–251
Ghiselli, A., Interworking in INFNet (4,5) 371–375
Gilmore, B., European Virtual Terminal Pilot Project (4,5) 352–353
Gilmore, B., Workstations: Beyond the Dumb Terminal (4,5) 312–314
Gopal, I.S., *see* **Segall, A.** (2) 127–139
Grimm, R., Security on Networks: Do We Really Need It? (4,5) 315–323
Grimm, R. and **Heagerty, D.**, Recommendation for a Shorthand X.400 Address Notation (4,5) 263–267

Hamacher, V.C., *see* **Kamal, A.E.** (1) 15– 27
Hasegawa, T., *see* **Oie, Y.** (3) 201–221
Heagerty, D., *see* **Grimm, R.** (4,5) 263–267
Herchuelz, P., Supercomputers: Some Aspects of Their Impact on Communications (4,5) 328–330
Holleczek, P., *see* **Bauerfeld, W.** (4,5) 300–304
Huitema, C., Proposal for Co-ordination of a RARE OSI Directory Pilot (4,5) 350–351
Huitema, C., The Challenge of Multimedia Mail (4,5) 324–327
Hutton, J., Rare Working Groups: An Overview (4,5) 241–243

Ikeuchi, N. and **Yoshida, M.**, Network Constructing Algorithm Based on Link Significance Evaluation: NABLE (1) 29– 36

Jain, R., *see* **Chiu, D.-M.** (1) 1– 14

Kamal, A.E. and **Hamacher, V.C.**, Approximate Analysis of Non-exhaustive Multiserver Polling Systems with Applications to Local Area Networks (1) 15– 27

Linington, P.F., Why OSI? (4,5) 287–290
Lloyd, M., Conformance: Assuring Interoperability (4,5) 367–370
Løvdal, E., The Challenge of TCP/IP (4,5) 376–379
Løvdal, E., *see* **Fluckiger, F.** (4,5) 256–262

Matsubara, M.M., Evolution of CCITT Numbering Plans and Network Interworking. Public Data Network Perspective (1) 47– 57
Michau, C., The IXI Pilot Project (4,5) 346–347
Morris, S., Suda T. and **Nguyen, T.**, A Tree LAN with Collision Avoidance: Photonic Switch Design and Simulated Performance (2) 89–100
Morris, S., *see* **Suda, T.** (2) 101–110
Muftic, S., Extended OSI Security Architecture. Second Stage of the CEC COST-11 Ter Project (3) 223–227

Neufeld, G., *see* **Ng, S.** (3) 157–173
Ng, S. and **Neufeld, G.**, ubcVTP: An Implementation of ISO VTP (3) 157–173
Nguyen, T., *see* **Morris, S.** (2) 89–100
Nishio, S., *see* **Oie, Y.** (3) 201–221
Niwa, A. and **Tokunaga, H.**, Evolution of NTT's Networks Towards INS (1) 37– 45

Oie, Y., Nishio, S. and **Hasegawa, T.**, Throughput Analysis of Blocked Access Tree Algorithms with Mini-slots (3) 201–221
Onions, J., ISODE: In Support of Migration (4,5) 362–366

Press, J., Software Based Encryption for Local Area Networks (3) 187–192
Prévost, J., The European High Speed Networking Initiative Project (4,5) 354–357

North-Holland
Computer Networks and ISDN Systems 17 (1989) 385–386

Sarikaya, B., Conformance Testing: Architectures and Test Sequences (2) 111–126
Segall, A. and **Gopal, I.S.**, Distributed Name Assignment in Computer Networks (2) 127–139
Sluman, C., A Tutorial on OSI Management (4,5) 270–278
Smith, B.R., *see* **Zeng, H.X.** (2) 77– 88
Speth, R., The Y-NET Initiative: An OSI Kernel for European R&D (4,5) 358–360
Suda, T. and **Morris, S.**, Tree LANs with Collision Avoidance: Station and Switch Protocols (2) 101–110
Suda, T., *see* **Morris, S.** (2) 89–100

Takiyasu, Y. and **Tanaka, T.P.**, Consideration of a Slot Access Method for Backbone Local Area Networks (3) 193–199
Tanaka, T.P., *see* **Takiyasu, Y.** (3) 193–199
Tindemans, P., COSINE: Ready to Move into Implementation Phase (4,5) 344–345
Tokunaga, H., *see* **Niwa, A.** (1) 37– 45
Truijens, J., *see* **Wester, E.M.**

Ullmann, K., President's Review of the Year (4,5) 239–240

van Till, J., The A-ISDN Proposal to Bridge "Personal Computers" and "ISDN" (2) 149–152

Wester, E.M. and **Truijens, J.**, Editorial (4,5) 233–235

Yoshida, M., *see* **Ikeuchi, N.** (1) 29– 36

Zeng, H.X., **Chanson, S.T.** and **Smith, B.R.**, On Ferry Clip Approaches in Protocol Testing (2) 77– 88

Subject Index to Volume 17 (1989)

Abstract Test Methods 77
Access Method 193
Access Points 346
Access Protocol 89, 101
Active (Passive) Ferry Clip 77
Address Notation 263
Address Syntax 263
Addressing 47
ANSI 312
Assessment to Security 223
Asset 315
Asynchronous Datacommunications 149
Attack 315
Authentication 315
Authorization 315

Backbone Network 29
Bearer Service 37
BLAN 193
Bridging 362
Broadcast 89, 101
BSI 312

CCITT X.25 332
Challenges 256
Channel Adapter 332
Collision Avoidance Switch 89, 101
Collision Resolution Algorithm 201
Common Database 37
Communication Management 287
Communication Processing 37
Communication Protocol 111, 157
Computer Communication 157
Computer Network 1
Computer Virus 141
Confidentiality 315
Conformance Testing 77, 111, 367
Congestion Avoidance 1
Congestion Control 1
Connection-Mode 287
COSINE 239, 346, 352, 358
COSINE Community 348
CTS Programme 367

Databases 332
DCC Scheme 279
DECnet 371
Denial of Service 315
Dial-up 149
Digital Signature 315
Directories 127, 256
Distributed Algorithms 127
Distributed Termination Problem 175
Distributed Transaction Processing 175
Document Types 294
Domain Defined Attributes 263
Domain Specific Part 279

E-mail 332
E.164 47
E.166 47
Electronic Mail 263
Encryption 187, 315
ETSI 244
European Standardization 244
European Information Service 348
European VT Project 352

Fairness 1
Ferry Clip 77
Ferry Clip Test Approaches 77
Ferry Principle 77
File Acces 294
File Server 294
File Transfer 332
Flow Control 1
Formal Models 223
Formal Protocol Specification 111
FTAM 294
Functional Standards 294

Gateway 332
Gatewaying 362
Global Connectivity 300

HEPnet 371
Heuristic Algorithm 29
Hierarchical Network 29
High Speed Networking 354
High Speed Networks 324

IES 358
Industrial 344
INFN 252
INFNet 252, 371
INS 37
Integrated Services Digital Networks (ISDN, ISDN-B, ATM) 324
Integrity 141, 315
Interconnection 346
Interim Directories 256
Internet 141, 337
Internet Protocol 300
Interoperability Testing 367
ISDN 149
ISO 279
ISO 8571 294

North-Holland
Computer Networks and ISDN Systems 17 (1989) 387–389

ISO/IEC 9594 305
ISODE 362

Key Distribution 187
Keywords 263

LAN 279
Link Significance 29
Local Area Network 15, 89, 101, 187, 193

Mail Address 263
Maximum Throughput 201
MDNS 346
Mean Waiting-time Approximation 15
Message Handling Services (MHS) 324, 350
Message Handling Systems 263
Migration 344, 362
Migration Strategy 376
Mini-slots 201
MultiMedia 324
MultiMedia Conference 324
MultiMedia Mail 324
MultiMedia Workstations 324
Multiple Servers 15

Name Assignment 127
Naming 127
Network Applications 376
Network Configuration 37
Network Design 29
Network Interworking 47
Network Management 270, 346
Network Migration 376
Network Optimization 29
Network Performance 1
Network Planning 29
Network Policy 239
Network Protocols 376
Networking 337
NeWS 312
Node Significance 29
Nonhierarchical Network 29
NSAP 279
Numbering Plans 47

O/R Address 263
O/R Name 263
ODP 287
Open Standards 312
Open System Interconnection 111, 157, 187
Operational Requirements 294
Operations System 37
OSI 284, 287, 294, 362, 367
OSI Addressing 279
OSI Directory Service 350
OSI Management 270
OSI Migration Strategy 371
OSI Networking 344
OSI Routing 256
OSI Security Architecture 223
OSI Systems 223
OSI Transaction Processing 175

PAD 332
Partial-insertion Ring 15
Performance Evaluation 15, 89
Personal Computers 149
Photonic Design 89
Polling Systems 15
Protocol Schismes 256
Protocol Testing 77
Protocols 337

Quality Grade 37
Queues 15

RACE 354
Random Access 201
RARE 239, 241
Regulation 346
Remote Access to Supercomputers 328
Remote Job Entry 256
Remote Procedure Calls 256
Repudiation 315
Research and Telecommunication Policies 344
Resource Management 1
Responsibility 315
RFC 987 263
Risk Analysis 223
Routing 256

Security 141, 315
Security Management and Protocols 223
Security Management Database 223
Security Mechanism 315
Security Policy 315
Security Service 315
Selectors 279
Service Module 37
Simulation 193
Slotted Ring 15, 193
Stability 201
Standard Attributes 263
Standardization 244, 287
Standardized Interface 37
Standards 270, 337
Super-minicomputers 328
Supercomputers 256
Systems Management 270

Tariffs 328
TCP/IP 337, 371
Telecommunication Standards 244
Telecommunications and Supercomputers 328
Termination Strategy 175
Test Architectures 111
Test Sequences 111
The Directory 305
Threat 315
TOMAS 37
TP4/IP 300

TP0/X.25 300
Transition 362
Tree Algorithm 201
Tree Topology 89, 101
Trojan Horse 141
Trusted Partner Relation 315
Two-Phase Commit Protocols 175

User Support 348

VENUS 354
Virtual Terminal Protocol 157
Virus 315
VT Protocol 352

WAN 279
WEP 358
Wide Area Backbone 376
Workstations 256, 312
Worm 141, 315

X Windows 312
X.121 47
X.122 47
X.213 47
X.25 Service 346
X.400 263, 312, 358
X.500 305, 350
X.25 371